

Thomas Flatt

DEPARTMENT OF ECOLOGY AND EVOLUTIONARY BIOLOGY
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Education

2004-date	Brown University	<i>Postdoctoral Fellow in Evolutionary Biology</i> (with Marc Tatar) Swiss National Science & Roche Research Foundations
2000-2004	University of Fribourg	<i>Ph.D. in Evolutionary Biology</i> (with Tadeusz J. Kawecki) "Effects of juvenile hormone on trait architecture in <i>Drosophila</i> "
1998-1999	University of Basel	<i>M.Sc. in Population Biology</i> (with Stephen C. Stearns)
1994-1998	University of Basel	<i>Undergraduate Studies in Organismal Biology</i>

Publications

- Min, K.-J., Flatt, T., Kulaots, I., and M. Tatar. (Submitted). Counting calories in *Drosophila* dietary restriction. PLoS Biology
- Killingback, T., Bieri, J., and T. Flatt. (Submitted). Evolution in group-structured populations can resolve the tragedy of the commons. Proceedings of the Royal Society of London B
- Tu, M.P., Flatt, T., and M. Tatar. 2006. Juvenile and steroid hormones in *Drosophila melanogaster* longevity. Chapter 16 (pp. 415-448) in the Handbook of the Biology of Aging, 6th Edition (Editors: Edward J. Masoro and Steven N. Austad), Academic Press (Elsevier), San Diego. [Invited Chapter]
- Flatt, T., Tu, M.-P., and M. Tatar. 2005. Hormonal Pleiotropy and the juvenile hormone regulation of *Drosophila* development and life history. BioEssays 27: 999-1010. [Invited Review, with Cover]
- Flatt, T. 2005. The evolutionary genetics of canalization. Quarterly Review of Biology 80: 287-316.
- Altwegg, R., Dummermuth, S., Anholt, B.R., and T. Flatt. 2005. Winter weather affects asp viper (*Vipera aspis aspis*) population dynamics through susceptible juveniles. Oikos 110: 55-66.
- Flatt, T., and T.J. Kawecki. 2004. Pleiotropic effects of *Methoprene-tolerant* (*Met*), a gene involved in juvenile hormone metabolism, on life history traits in *Drosophila melanogaster*. Genetica 122: 141-160.
- Flatt, T., and I. Scheuring. 2004. Stabilizing factors interact in promoting host-parasite coexistence. Journal of Theoretical Biology 228: 241-249.
- Flatt, T. 2004. Assessing natural variation in genes affecting *Drosophila* lifespan. Mechanisms of Ageing and Development 125: 155-159. [Invited Editorial]
- Rauch, G., Simon, J.-C., Chaubet, B., Haack, L., Flatt, T., and W.W. Weisser. 2002. The influence of ant attendance on aphid feeding behaviour investigated with the electrical penetration graph technique. Entomologia Experimentalis et Applicata 102: 13-20.
- Flatt, T., Shine, R., Borges-Landaez, P.A., and S.J. Downes. 2001. Phenotypic variation in an oviparous montane lizard: effects of thermal and hydric incubation environments. Biological Journal of the Linnean Society 74: 339-350.
- Flatt, T., Maire, N., and M. Doebeli. 2001. A bit of sex stabilizes host-parasite dynamics. Journal of Theoretical Biology 212: 345-354.
- Flatt, T., and W.W. Weisser. 2000. The effects of mutualistic ants on aphid life-history traits. Ecology 81: 3522-3529.
- Flatt, T., Dummermuth, S., and B.R. Anholt. 1997. Mark-recapture estimates of survival in populations of the asp viper, *Vipera aspis aspis*. Journal of Herpetology 31: 558-564.

Invited Talks and Seminars

2006:	Society for Integrative & Comparative Biology	Orlando
2005:	Brown University, Department of Ecology & Evolution	Providence
2005:	Institute of Biology & Leiden University Medical Center	Leiden
2005:	10 th Congress of the European Society of Evolutionary Biology	Krakow
2005:	Kilguss Research Institute	Providence
2004:	University of Florida, Whitney Marine Laboratories	St. Augustine
2004:	University of Fribourg, Unit of Ecology & Evolution	Fribourg
2004:	Brown University, Department of Ecology & Evolution	Providence
2004:	Yale University, Department of Ecology & Evolution	New Haven
2003:	10th Swiss Herpeto-Colloquium	Fribourg
2003:	University of Zürich, Institute of Zoology	Zürich
2003:	Friedrich-Schiller University, Institute of Ecology	Jena
2002:	Université Pierre & Marie Curie, Dept. of Ecology & Evolution	Paris
2002:	ETH Zürich, Department of Ecology & Evolution	Zürich
2002:	Princeton University, Department of Ecology & Evolution	Princeton
2002:	Brown University, Department of Ecology and Evolution	Providence
2001:	8 th Congress of the European Society of Evolutionary Biology	Aarhus
2001:	University of Bern, Department of Zoology	Bern
2000:	Roche Research Foundation, Meeting of Board of Trustees	Basel
1999:	University of Basel, Department of Integrative Biology	Basel
1996:	Swiss DGHT Herpetology Meeting	Goldau
1994:	1st Swiss Herpeto-Colloquium	Bern

Contributed Presentations at Conferences

2006:	Gordon Research Conference on Biology of Aging	Ventura
2006:	Annual Ecdysone Workshop	Houston
2006:	47 th Annual Drosophila Research Conference	Houston
2005:	10 th Congress of the European Society of Evolutionary Biology	Krakow
2005:	15 th International Congress of Comparative Endocrinology	Boston
2005:	46th Annual Drosophila Research Conference	San Diego
2004:	Gordon Research Conference on Biology of Aging	Aussois
2004:	Society for the Study of Evolution	Fort Collins
2004:	Biology 04 Meeting	Fribourg
2003:	9 th Congress of the European Society of Evolutionary Biology	Leeds
2003:	Biology 03 Meeting, University of Zürich	Zürich
2002:	Biology 02 Meeting, University of Bern	Bern
2000:	Society for the Study of Evolution	Bloomington
2000:	Swiss Symposium on Evolution, Ecology, Behaviour	Lausanne
1999:	British Ecological Society, Winter Meeting	Leeds

Honors and Awards

• Postdoctoral Fellow	Roche Research Foundation	2005-2006
• Postdoctoral Fellow	Swiss National Science Foundation	2004-2005
• Predoctoral Fellow	Roche Research Foundation	2003-2004
• Predoctoral Fellow	Swiss National Science Foundation	2000-2003
• Fellow	Dr. Max Husmann Foundation	1998-1999
• Fellow	Roche Research Foundation	1998-1999
• Fellow	Swiss Study Foundation	1994-2004

Other Grants, Fellowships, and Awards

2004:	3rd Poster Award	Biology 04 Meeting, Fribourg
2003:	Travel Grant	Swiss Study Foundation
2002:	Student Bursary	The Academy of Medical Sciences, London
2000:	Travel Grant	University of Basel
2000:	Travel Award	American Society of Naturalists
1999:	Travel Grant	Swiss Study Foundation
1999:	Travel Grant	British Ecological Society
1998:	Scholarship	University of Basel
1998:	Scholarship	Swiss Study Foundation
1998:	Scholarship	Emilia Guggenheim-Schnurr Foundation
1997:	Scholarship	Tropical Biology Association, Cambridge
1997:	Travel Grant	Swiss Study Foundation

Teaching

2005:	"Darwinian Medicine"	TA to M. Tatar	Brown University
2004:	"Darwinian Medicine"	TA to M. Tatar	Brown University
2004:	"Data Analysis"	Taught Course with D. Meyer, T. Steinger	University of Fribourg
2003:	"Arena in Evolution"	TA to D. Ebert, D. Meyer, T.J. Kawecki	University of Fribourg
2002:	"Evolutionary Biology"	TA to T.J. Kawecki	University of Fribourg
2000:	"Evolutionary Genetics"	TA to D. Ebert	University of Basel

Reviewer for

Aging Cell, Amphibia-Reptilia, Behavioral Ecology and Sociobiology, Ecology, Evolution & Development, Functional Ecology, Journal of Evolutionary Biology, Journal of Gerontology: Biological Sciences, Journal of Insect Behavior, Journal of Insect Physiology, Journal of Zoology, Oecologia, PLoS Biology, Proceedings of the Royal Society of London B, Trends in Ecology and Evolution

Grant Reviewer for

Australian Research Council (Biosciences; International Reader); BARD (United States - Israel Binational Agricultural Research & Development Fund)

Professional Experience and Service

2004-date:	Visiting Scientist	with N. Silverman, UMass Medical School, Worcester
2004-date:	Research Associate	with Marc Tatar, Brown University, Providence
2002-2004:	Ph.D. Student Representative	Council of Dept. of Biology, University of Fribourg
2000-2004:	Research Associate	with Tadeusz J. Kawecki, University of Fribourg
1999-2000:	Research Associate	with Stephen C. Stearns, University of Basel
1998-1999:	Research Associate	with Richard Shine, University of Sydney
1997-1999:	Research Associate	with Wolfgang W. Weisser, University of Basel

Additional Training

2000:	Course in Model Selection in Ecological Statistics	University of Zürich
1999:	Course in Multivariate Statistics	University of Sydney
1998:	Student Discussion Workshop in Evolutionary Biology	Guarda
1997:	Darwin Field Course in Tropical Biology	Kibale Forest, Uganda
1997:	Student Discussion Workshop in Evolutionary Biology	Guarda